

Attorney No. 5000.302
Confirmation No. 6095

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Fechko et al.
Serial No.: 10/628,188
Filed: July 28, 2003
For: REDUCING NITROGEN CONTENT IN SILICON
CARBIDE CRYSTALS BY SUBLIMATION GROWTH
IN A HYDROGEN-CONTAINING AMBIENT

Group Art Unit: 1765

April 30, 2004

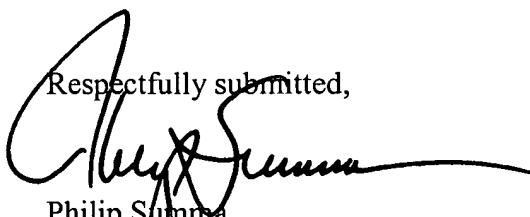
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT
CITATION UNDER 37 C.F.R. 1.97**

Sir:

Attached is a list of documents on Forms PTO/SB/08A and PTO/SB/08B together with a copy of the non-patent literature documents and foreign documents. It is requested that the Examiner consider the listed U.S. issued patents and the enclosed documents and officially make them of record in accordance with the provisions of 37 C.F.R. § 1.97 and MPEP § 609.

Respectfully submitted,



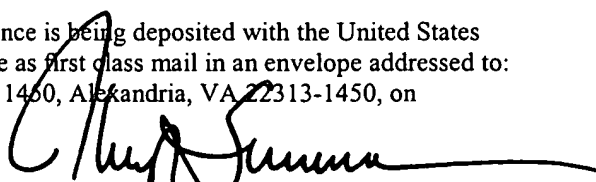
Philip Summa
Reg. No. 31,573

021176
Summa & Allan, P.A.
11610 North Community House Road
Suite 200, Ballantyne Corporate Park
Charlotte, North Carolina 28277-2162
Telephone: 704-945-6700
Facsimile: 704-945-6735

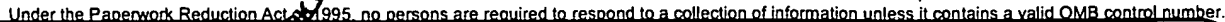
\\Server\F\FIRM DOCS\5000\302\IDS043004.doc

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on
April 30, 2004.



Philip Summa



Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form

Complete if Known

(Use as many sheets as necessary)

Sheet

1

of

2

Application Number

10/628.188

Filing Date

July 28, 2003

First Named Inventor

Fechko et al.

Art Unit

1765

Examiner Name

Attorney Docket Number

5000.302

U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

**Examiner
Signature**

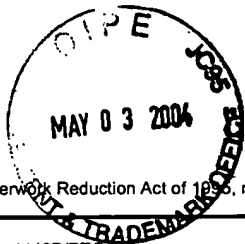
Date

Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

Complete if Known

Application Number

10/628,188

Filing Date

July 28, 2003

First Named Inventor

Fechko et al.

Art Unit

1765

Examiner Name

Attorney Docket Number

5000.302

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	11	T. FURUSHO ET AL.; Crystal growth of silicon carbide in hydrogen atmosphere by sublimation close space technique; Journal of Crystal Growth (2002); Vol. 237-239; pages 1235-1238; Elsevier Science B.V.	
	12	S.K. LILOV ET AL.; Studies of Growth Processes in Silicon Carbide Epitaxial Layers from the Vapour Phase; Journal of Crystal Growth (1976); Vol. 32; pages 170-178; North-Holland Publishing Company.	
	13	I.G. IVANOV ET AL.; Nitrogen doping concentration as determined by photoluminescence in 4H- and 6H- SiC; Journal of Applied Physics; September 15, 1996; Vol. 80, No. 6; pages 3504-3508; American Institute of Physics.	
	14	PETER RABACK ET AL.; Thermodynamic Considerations of the Role of Hydrogen in Sublimation Growth of Silicon Carbide; Journal of Electrochem. Soc.; March 1997; Vol. 144, No. 3; pages 1024-1027; The Electrochemical Society, Inc.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.